IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: WEI et al	
	Art Unit:
Serial No. To Be Assigned	Examiner:
Filed: February 16, 2001	Atty. Docket: CL000763
For: **ISOLATED HUMAN DRUG-METABOLIZING PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN DRUG-METABOLIZING PROTEINS, AND USES THEREOF**	

SUBMISSION OF SEQUENCE LISTING UNDER 37 C.F.R. § 1.821(a)

Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

Sir:

In compliance with 37 C.F.R. § 1.821(a), Applicants submit the Sequence Listing, including the paper copy of the Sequence Listing and the computer readable copy of the Sequence Listing.

In the Specification:

Please enter the Sequence Listing between the specification and the claims of the above-identified application.

REMARKS

In accordance with 37 C.F.R. § 1.821(f), the paper copy of the Sequence Listing and the computer readable copy of the Sequence Listing submitted herewith in the above application are the same.

In accordance with 37 C.F.R. § 1.821(g), this submission includes no new matter.

It is respectfully believed this application is now in condition for examination. Early notice to this effect is earnestly solicited.

Respectfully submitted,

CELERA GENOMICS

By: _____

Justin D. Karjala
Reg. No. 43,704

Date: February 16, 2001

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45 West Gude Drive, C2-4#20
Rockville, MD 20850
Tel: 240-453-3067
Fax: 240-453-3084

SEQUENCE LISTING

<110> WEI, Ming-Hui et al.

<120> ISOLATED HUMAN DRUG-METABOLIZING
PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
DRUG-METABOLIZING PROTEINS,
AND USES THEREOF

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        355                 360                 365
His His Asp Gln Pro Val Lys Pro Leu Asp Arg Ala Val Phe Trp Ile
    370                 375                 380
Glu Phe Val Met Arg His Lys Gly Ala Lys His Leu Arg Ser Ala Ala
385                 390                 395                 400
His Asp Leu Thr Trp Phe Gln His Tyr Ser Ile Asp Val Ile Gly Phe
                405                 410                 415
Leu Leu Ala Cys Val Ala Thr Ala Ile Phe Leu Phe Thr Lys Cys Phe
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Leu Phe Ser Cys Gln Lys Phe Asn Lys Thr Arg Lys Ile Glu Lys Arg
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Glu
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Cys Ala Gly Ser Gly Phe Cys Gly Lys Val Leu Val Trp Pro Cys Glu
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Met Ser His Trp Leu Asn Leu Lys Thr Leu Leu Glu Glu Leu Val Lys
        35                  40                  45
Arg Gly His Glu Val Thr Val Leu Thr Leu Ser Asn Asn Leu Phe Ile
    50                  55                  60
Asp Tyr Asn Arg His Pro Ala Phe Asn Phe Glu Val Ile Pro Val Pro
65                  70                  75                  80
Thr Asp Lys Asn Met Ser Glu Asn Ile Leu Asn Glu Phe Ile Glu Leu
                85                  90                  95
Ala Val Asn Val Met Pro Thr Met Pro Leu Trp Gln Ser Gly Lys Leu
            100                 105                 110
Leu Gln Gln Phe Phe Val Gln Ile Thr Glu Asp Leu Gly Leu Asn Cys
        115                 120                 125
Arg Asn Thr Val Tyr Asn Gln Ser Leu Met Lys Lys Leu Arg Asp Ser
    130                 135                 140
Lys Tyr Asp Val Leu Val Thr Asp Pro Val Ile Pro Cys Gly Glu Leu
145                 150                 155                 160
Val Ala Glu Met Leu Gly Val Pro Phe Val Asn Met Leu Lys Phe Ser
                165                 170                 175
Met Gly His Thr Ile Glu Lys Tyr Cys Gly Gln Leu Pro Ala Pro Pro
            180                 185                 190
Ser Tyr Val Pro Val Pro Leu Gly Gly Leu Thr Thr Arg Met Thr Phe
        195                 200                 205
Met Glu Arg Val Lys Asn Met Val Phe Ser Val Leu Phe Asp Phe Trp
    210                 215                 220
Ile Gln Gln Tyr Asp Tyr Lys Phe Trp Asp Gln Phe Tyr Ser Glu Ala
225                 230                 235                 240
Leu Gly Arg Pro Thr Thr Leu Cys Glu Ile Met Gly Lys Ala Glu Ile
                245                 250                 255
Trp Leu Ile Arg Thr Tyr Trp Asp Phe Glu Phe Pro Arg Pro Tyr Leu
            260                 265                 270
Pro Asn Phe Glu Phe Val Gly Gly Leu His Cys Lys Pro Ala Lys Pro
        275                 280                 285
Leu Pro Lys Glu Met Glu Glu Phe Val Gln Ser Ser Gly Glu Asp Gly
    290                 295                 300
Val Val Val Phe Ser Leu Gly Ser Met Val Lys Asn Leu Thr Glu Glu
305                 310                 315                 320
Lys Ala Asn Leu Ile Ala Ser Ala Leu Ala Gln Ile Pro Gln Lys Val
                325                 330                 335
Leu Trp Arg Tyr Lys Gly Lys Lys Pro Ala Thr Leu Gly Pro Asn Thr
            340                 345                 350
Arg Leu Phe Asp Trp Ile Pro Gln Asn Asp Leu Leu Gly His Pro Lys
        355                 360                 365
Thr Lys Ala Phe Ile Thr His Gly Gly Ser Asn Gly Ile Tyr Glu Ala
    370                 375                 380
Ile Tyr His Gly Val Pro Met Val Gly Met Pro Ile Phe Ser Asp Gln
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385                 390                 395                 400
Pro Asp Asn Leu Ala Gly Met Lys Ala Lys Gly Ala Ala Val Glu Val
                405                 410                 415
Asn Met Asn Thr Met Thr Ser Ala Asp Leu Leu Gly Ala Leu Arg Thr
            420                 425                 430
Val Ile Asn Asp Pro Thr Tyr Lys Glu Asn Ala Met Lys Leu Ser Arg
        435                 440                 445
Ile His His Asp Gln Pro Val Lys Pro Leu Asp Arg Ala Ala Phe Trp
    450                 455                 460
Val Glu Phe Val Met His His Lys Gly Ala Lys His Leu Arg Val Ala
465                 470                 475                 480
Ala His Asp Leu Ser Trp Phe Gln Tyr His Ser Leu Asp Val Ile Gly
                485                 490                 495
Phe Leu Leu Ala Cys Val Ala Ser Ala Ile Leu Leu Val Thr Lys Cys
            500                 505                 510
Cys Leu Phe Ser Phe Gln Asn Phe Ile Lys Ile Gly Lys Arg Ile Lys
        515                 520                 525
Lys Glu
    530
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